# BRUHATH BANGALORE MAHANAGARA PALIKE
## Ward 15, Dasarahalli

NAME OF WORK : **Improvements & re-asphalting road from 1st, 2nd, 3rd and 5th Cross, KempeGowdanagara Dasarahalli W.No-15.**

**Estimated Cost** 30.00 Lakhs

| Sl.No. | Description of work | Measurments No.s | L | B | D | Qty | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Removing B.S slab of drain and stacking (PWD SR 2016-17, Page No.25, Item No. 5.32) | | | | | | | | |
| | 1st cross | 1 | 2 | 95.00 | 0.90 | 171.00 | | | |
| | 2nd cross | 1 | 2 | 95.00 | 0.90 | 171.00 | | | |
| | 3rd cross | 1 | 2 | 95.00 | 0.90 | 171.00 | | | |
| | Kempegowda Nagara back side road | 1 | 2 | 110.00 | 0.90 | 198.00 | | | |
| | 1st main Kempegowda Nagara | 1 | 2 | 380.00 | 0.90 | 684.00 | | | |
| | Pampa Mahakavi Road | 1 | 2 | 300.00 | 0.90 | 540.00 | | | |
| | | | | | | **1935.00** | | | |
| | deduct :6% missings | | | | | 116.10 | | | |
| | | | | | Total qty. | **1818.90** | sqm | 65.72 | 119538.00 |
| 2 | Earthwork excavation by manual means in Ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work..(PWD SR 2016-17, Page No.142, Item No. 19.1) including Conveying the excavated earth silt, debris and over burden earth etc., to lead of 0 to 5 kms distance by using private vehicle this includes the cost of loading and unloading charges etc., complete as per the direction of Engineer in-charge of the work | | | | | | | | |
| | **Desilting** | | | | | | | | |
| | 1st cross | 1 | 2 | 95.00 | 0.50 | 0.50 | 47.50 | | |
| | 2nd cross | 1 | 2 | 95.00 | 0.50 | 0.50 | 47.50 | | |
| | 3rd cross | 1 | 2 | 95.00 | 0.50 | 0.50 | 47.50 | | |
| | Kempegowda Nagara back side road | 1 | 2 | 110.00 | 0.50 | 0.50 | 55.00 | | |
| | 1st main Kempegowda Nagara | 1 | 2 | 380.00 | 0.50 | 0.40 | 152.00 | | |
| | Pampa Mahakavi Road | 1 | 2 | 300.00 | 0.50 | 0.40 | 120.00 | | |
| | | | | | | | 0.00 | | |
| | **BWSSB cutting** | | | | | | | | |
| | 1st cross | 1 | 1 | 95.00 | 1.00 | 0.30 | 28.50 | | |
| | 2nd cross | 1 | 1 | 95.00 | 1.00 | 0.30 | 28.50 | | |
| | 3rd cross | 1 | 1 | 95.00 | 1.00 | 0.30 | 28.50 | | |
| | Kempegowda Nagara back side road | 1 | 1 | 110.00 | 1.00 | 0.30 | 33.00 | | |
| | Pampa Mahakavi Road | 1 | 1 | 300.00 | 0.50 | 0.30 | 45.00 | | |

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|---|---|---|---|---|---|---|---|---|---|
| | | | | | Total qty. | 633.00 | cum | 170.92 | 108192.00 |
| 3 | Refixing stone slabs of drains and pointing in CM 1:3 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. (PWD SR 2016-17, Page No.25, Item No. 5.33) | | | | | | | | |
| | **Qty vide item No.1** | | | | | 1818.90 | | | |
| | | | | | **Total qty.** | **1818.90** | **sqm** | **80.56** | **146531.00** |
| 4 | Supplying and fixing precast reinforced concrete slab 10 cm thick of mix M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 150mmc/c bothways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials - Data rate approved by Chief Engineer, Dasarahalli zone | | | | | | | | |
| | **missing slabs** | Qty vide item No.1 | | | | 116.10 | | | |
| | | | | | **Total qty.** | **116.10** | **sqm** | **1600.00** | **185760.00** |
| 5 | KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.Page No 149/ Item No. 19.64 PWD SR 2016-17 | | | | | | | | |
| | BWSSB cutting | | | | | | | | |
| | **1st cross** | 1 | 1 | 95.00 | 1.00 | | 95.00 | | |
| | **2nd cross** | 1 | 1 | 95.00 | 1.00 | | 95.00 | | |
| | **3rd cross** | 1 | 1 | 95.00 | 1.00 | | 95.00 | | |
| | **Kempegowda Nagara back side road** | 1 | 1 | 110.00 | 1.00 | | 110.00 | | |
| | **Pampa Mahakavi Road** | 1 | 1 | 300.00 | 0.50 | | 150.00 | | |
| | | | | | **Total qty.** | | **545.00** | **sqm** | **5.30** | **2889.00** |
| 6 | KSRRB M400-1 For Grading I material construction of granular sub-base by providing coarse graded crushed stone aggregates of Granite/ trap/basalt material spreading in uniform layers with motir grader on prepared surface mixing by a mix in place method with rotawater at OMC, and Compacting with vibratory roller to achieve the desired density, complete as per specifications.by mix in a Place method for course Graded Granular Sub Base Material as per 400-2 for grading I material . Page No 155/ Item No. 20.6.1 PWD SR 2016-17 | | | | | | | | |
| | BWSSB cutting | | | | | | | | |
| | **1st cross** | 1 | 1 | 95.00 | 1.00 | 0.15 | 14.25 | | |
| | **2nd cross** | 1 | 1 | 95.00 | 1.00 | 0.15 | 14.25 | | |
| | **3rd cross** | 1 | 1 | 95.00 | 1.00 | 0.15 | 14.25 | | |
| | **Kempegowda Nagara back side road** | 1 | 1 | 110.00 | 1.00 | 0.15 | 16.50 | | |
| | **Pampa Mahakavi Road** | 1 | 1 | 300.00 | 0.50 | 0.15 | 22.50 | | |
| | | | | | | **Total qty.** | **81.75** | **cum** | **1518.98** | **124177.** |

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|---|---|---|---|---|---|---|---|---|---|
| 7 | Providing, laying, spreading and compacting stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. Complete as per specifications. MORTH Specification No.406 [P.No.158- It.No20.18] | | | | | | | | |
| | 1st cross | 1 | 1 | 95.00 | 1.00 | 0.15 | 14.25 | | |
| | 2nd cross | 1 | 1 | 95.00 | 1.00 | 0.15 | 14.25 | | |
| | 3rd cross | 1 | 1 | 95.00 | 1.00 | 0.15 | 14.25 | | |
| | Kempegowda Nagara back side road | 1 | 1 | 110.00 | 1.00 | 0.15 | 16.50 | | |
| | Pampa Mahakavi Road | 1 | 1 | 300.00 | 0.50 | 0.15 | 22.50 | | |
| | | | | | | Total qty. | 81.75 | cum | 1768.08 | 144541.00 |
| 8 | Providing and applying primer coat with S.S bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of .60kg /sqm using mechanial means complete as per Specifications. (Pg.no.160, It.no.21.6) | | | | | | | | |
| | 1st cross | 1 | 1 | 95.00 | 1.00 | | 95.00 | | |
| | 2nd cross | 1 | 1 | 95.00 | 1.00 | | 95.00 | | |
| | 3rd cross | 1 | 1 | 95.00 | 1.00 | | 95.00 | | |
| | Kempegowda Nagara back side road | 1 | 1 | 110.00 | 1.00 | | 110.00 | | |
| | Pampa Mahakavi Road | 1 | 1 | 300.00 | 0.50 | | 150.00 | | |
| | | | | | | Total qty. | 545.00 | sqm | 27.56 | 15020.00 |
| 9 | KSRRB 500-7. Providing and applying tack coat on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface ) including cost of all materials, labour, HOM of machineries complete as per specifications.(Pg No.160 It. No.21.7) | | | | | | | | |
| | 1st cross | 1 | 1 | 95.00 | 1.00 | | 95.00 | | |
| | 2nd cross | 1 | 1 | 95.00 | 1.00 | | 95.00 | | |
| | 3rd cross | 1 | 1 | 95.00 | 1.00 | | 95.00 | | |
| | Kempegowda Nagara back side road | 1 | 1 | 110.00 | 1.00 | | 110.00 | | |
| | Pampa Mahakavi Road | 1 | 1 | 300.00 | 0.50 | | 150.00 | | |
| | | | | | | | 0.00 | | |
| | 1st cross | 1 | 1 | 95.00 | 5.80 | | 551.00 | | |
| | 2nd cross | 1 | 1 | 95.00 | 6.00 | | 570.00 | | |
| | 3rd cross | 1 | 1 | 95.00 | 5.00 | | 475.00 | | |
| | Kempegowda Nagara | 1 | 1 | 110.00 | 5.60 | | 616.00 | | |
| | 1st main Kempegowda | 1 | 1 | 380.00 | 5.40 | | 2052.00 | | |
| | Pampa Mahakavi | 1 | 1 | 300.00 | 5.80 | | 1740.00 | | |
| | | | | | | Total qty. | 6549.00 | sqm | 11.66 | 76361.00 |

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|---|---|---|---|---|---|---|---|---|---|
| 10 | Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50/75mm compacted thickness with 3.3% bitumen but excluding the cost of primer/tack coat with lead incl. cost of all materials, labour, HOM of machineries complete as per specifications with 80/100 grade bitumen using 40/60TPH capacity H.M.P with Mechanical paver Gr II (50/75mm) with 3.3% VG-30 Bitumen as per the directions of Engineer-in-charge of the work ( PWDSR 2016-17, P.No.162, I No.21.11.6) | | | | | | | | | |
| | 1st cross | 1 | 1 | 95.00 | 1.00 | 0.05 | 4.75 | | | |
| | 2nd cross | 1 | 1 | 95.00 | 1.00 | 0.05 | 4.75 | | | |
| | 3rd cross | 1 | 1 | 95.00 | 1.00 | 0.05 | 4.75 | | | |
| | Kempegowda Nagara | 1 | 1 | 110.00 | 1.00 | 0.05 | 5.50 | | | |
| | Pampa Mahakavi | 1 | 1 | 300.00 | 0.50 | 0.05 | 7.50 | | | |
| | | | | | | Total qty. | 27.25 | cum | 5237.46 | 142721.00 |
| 11 | KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. (Pg.no.161, It.no.21.2) | | | | | | | | | |
| | 1st cross | 1 | 1 | 95.00 | 5.80 | | 551.00 | | | |
| | 2nd cross | 1 | 1 | 95.00 | 6.00 | | 570.00 | | | |
| | 3rd cross | 1 | 1 | 95.00 | 5.00 | | 475.00 | | | |
| | Kempegowda Nagara | 1 | 1 | 110.00 | 5.60 | | 616.00 | | | |
| | 1st main Kempegowda | 1 | 1 | 380.00 | 5.40 | | 2052.00 | | | |
| | Pampa Mahakavi | 1 | 1 | 300.00 | 5.80 | | 1740.00 | | | |
| | | | | | | Total qty. | 6004.00 | sqm | 3.18 | 19093.00 |
| 12 | KSRRB M500-19. Providing and laying bituminous concrete with hot mix plant using crushed aggregates of specified grading, pre mixed with bituminous binder and filler, transporting the hot mix to work site laying with paver finisher to the required grade, level and alignment . Rolling with smooth wheeled Vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause no 500.9 complete in all respects complete as per specifications. MORTH specification No509, using 100/120 TPH capacity H.M.P.with Mechanical paver Gr -II (30mm to 45mm) with 6% VG-Bitumen (P-165, It, 21.22.2.) | | | | | | | | | |
| | 1st cross | 1 | 1 | 95.00 | 5.80 | 0.04 | 22.04 | | | |
| | 2nd cross | 1 | 1 | 95.00 | 6.00 | 0.04 | 22.80 | | | |
| | 3rd cross | 1 | 1 | 95.00 | 5.00 | 0.04 | 19.00 | | | |
| | Kempegowda Nagara | 1 | 1 | 110.00 | 5.60 | 0.04 | 24.64 | | | |
| | 1st main Kempegowda | 1 | 1 | 380.00 | 5.40 | 0.04 | 82.08 | | | |
| | Pampa Mahakavi | 1 | 1 | 300.00 | 5.80 | 0.04 | 69.60 | | | |
| | | | | | | Total qty. | 240.16 | cum | 7270.54 | 1746093.00 |
| 13 | KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. PWD SR 2016-17 [P.No.185-I.No.24.15] | | | | | | | | | |
| | 1st cross | 1 | 2 | 95.00 | 0.15 | | 28.50 | | | |

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|---|---|---|---|---|---|---|---|---|
| [illegible] | 2 | 85.00 | 0.15 | | 28.50 | | | |
| [illegible] | 2 | 85.00 | 0.15 | | 14.25 | | | |
| Kempapura Nagara | 2 | 110.00 | 0.15 | | 33.00 | | | |
| [illegible] Kempapura | 2 | 380.00 | 0.15 | | 57.00 | | | |
| Pooja Mahalaxmi | 2 | 300.00 | 0.15 | | 90.00 | | | |
| | | | | Total qty. | 251.25 | sqm | 542.72 | 136358.00 |
| | | | | | | | Sub Total | 2967274.00 |
| | | | | | | | Qc Charges 1%+Miscelleneous and rounding off | 32726.00 |
| | | | | | | | Total | 3000000.00 |

(Rupees Fifty Lakhs Only)

CONDITIONS

1. [illegible] as given by me and the work is necessary & site condition
2. [illegible] as given
3. [illegible] Rangalore Circle SR of 2016-17
4. [illegible] necessary have made in the estimate
5. [illegible] BBMP limit
6. [illegible]

Asst. Engineer
Ward-16

Assistant Executive Engineer
Dasarahalli Sub Division
B.B.M.P

Excecutive Engineer
Dasarahalli Division
B.B.M.P

[illegible]

[illegible] Dated: 19/4/2017
Rs. Fifty Lakhs /-
[illegible]

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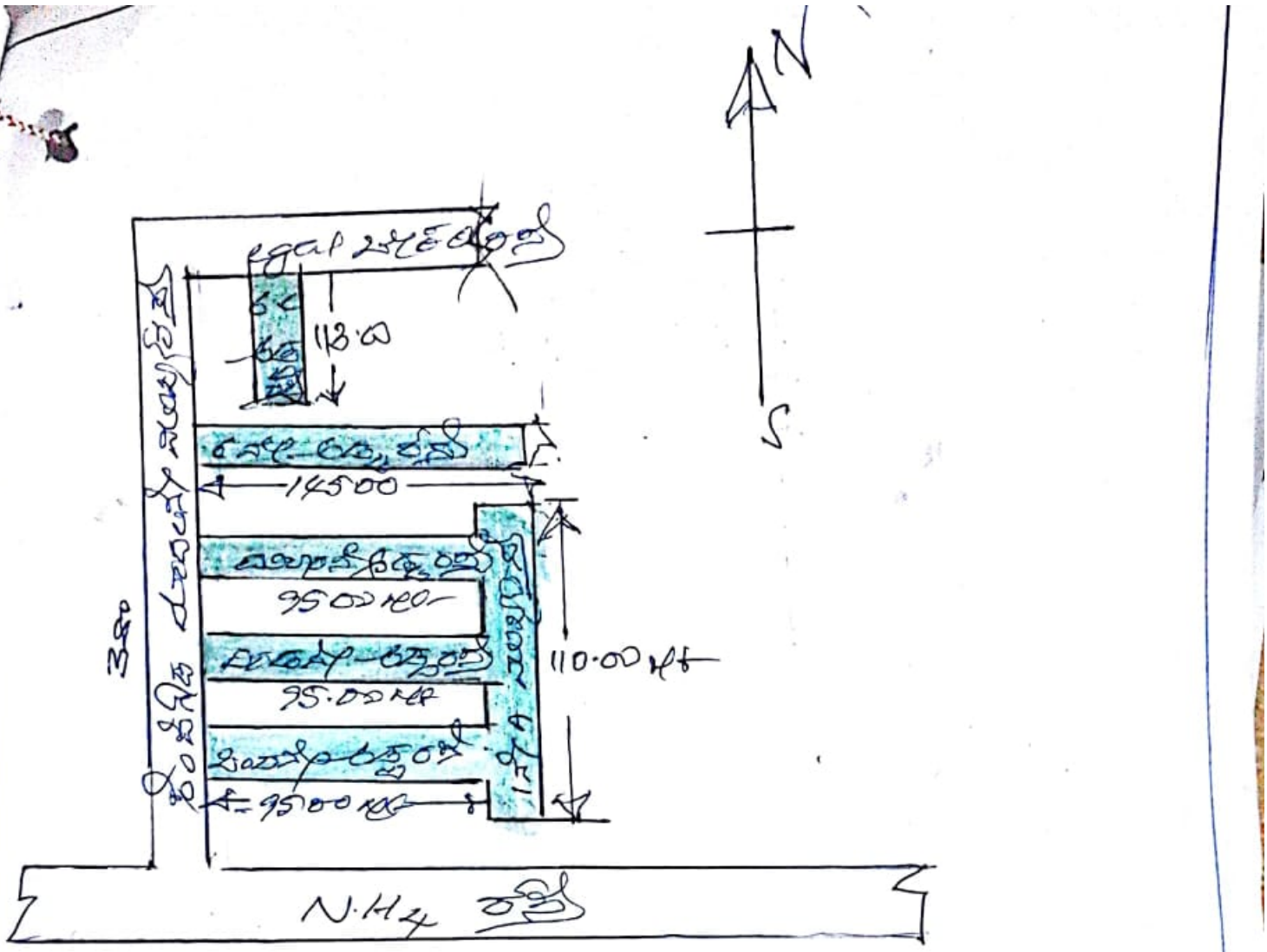


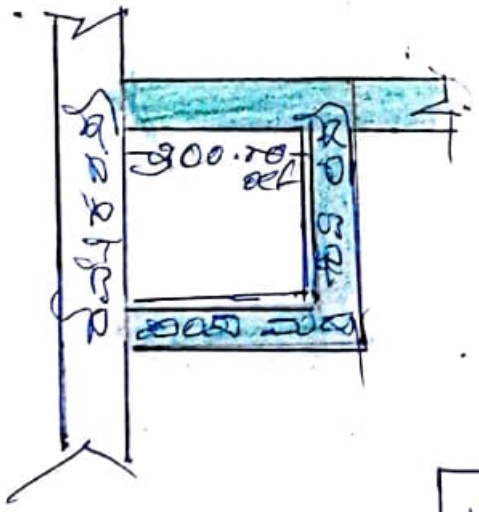


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ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

Name of work:- Improvement & Resphalting Road from 7th ಮೈನ್ ತಿರುವಿನ 5th cross road Kempe Gowda Nagara ie Dasarahalli ward No 13

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